

# **Air University Library Index to Military Periodicals**

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Frances B. Rucks, Editor


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**This is a cumulative issue. It includes all indexing since the beginning of the current volume. No further reference to Issues Nos. 1-3 is necessary.**

## Preface

The *Air University Library Index to Military Periodicals* is a subject index to significant articles, news items and editorials appearing in 65 English language military and aeronautical periodicals not indexed in readily available commercial indexing services. The *Index* originated with 23 titles as a quarterly publication in 1949, and has continued on a quarterly basis superseded by annual cumulations; triennial cumulative issues were published from 1952 through 1967. From 1949 to 1962 the *Index* was issued as *Air University Periodical Index*. Staff members in the Reader Services Division and Editing Section of Air University Library index the periodicals with the exception of six titles which other Air Force, Army, and Navy libraries index. *Air University Library Index to Military Periodicals* serves primarily the educational and research programs of Air University. The *Index* is available to other libraries upon request.

This publication has been reviewed and approved by competent personnel of the preparing command in accordance with current directives on doctrine, policy, essentiality, propriety, and quality.

ROBERT B. LANE  
Director  
Air University Library

# PERIODICALS INDEXED

Aerosp Hist--Aerospace Historian (q) \$20.00. Department of History, Kansas State University, Manhattan, Kans, 66506.

\*Aerosp Intl--Aerospace International (bim) \$15.00. Sonnenberger Str. 15, D-6200 Wiesbaden, Germany.

Aerosp Med--Aerospace Medicine (m) \$35.00. Aerospace Medical Assoc, Washington National Airport, Washington, DC, 20001.

Aerosp Safety--Aerospace Safety - AFRP 127-2 (m) \$10.35. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

AF Civil Engr--Air Force Civil Engineer - AFRP CE 85-1 (q) \$2.10. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

AF Compt--The Air Force Comptroller - AFRP 170-2 (q) \$3.90. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

AF JAG L Rev--United States Air Force JAG Law Review (changed to Air Force Law Review with Spring 1974 issue).

\*\*\*AF Law Rev--Air Force Law Review (formerly United States Air Force JAG Law Review) - AFRP 110-1 (q) \$2.50. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

AF Mag--Air Force Magazine (m) \$10.00. Air Force Assoc, Suite 400, 1750 Pennsylvania Ave, NW, Washington, DC, 20006.

AF Plcy Ltr for Comdrs: Sup--Air Force Policy Letter for Commanders: Supplement - AFRP 190-2 (m) No price given. Internal Information Division, SAFOII, Pentagon, Washington, DC, 20330.

AF Times--Air Force Times (Eastern Edition) (w) \$18.00. Army Times Publishing Co, 475 School St, SW, Washington, DC, 20024.

Air Pict--Air Pictorial (m) \$10.44. Seymour International Subscriptions, 1/3 Brixton Road, London, S.W.9, England.

Air Reservist - AFRP 30-1 (10 nos. a year) \$4.30. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

AU Rev--Air University Review, The Professional Journal of the United States Air Force (bim) \$8.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

Airman, Official Magazine of the U.S. Air Force - AFRP 30-15 (m) \$12.50. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

Am Avn Hist Soc J--American Aviation Historical Society Journal (q) \$12.50. American Aviation Historical Society, P.O. Box 99, Garden Grove, Calif, 92642.

Approach, the Naval Aviation Safety Review - NavAir 00-75-510 (m) No price given. NAVSAFECEN, NAS, Norfolk, Va, 23511.

\*Armed Forces & Soc--Armed Forces and Society (q) \$16.00. Social Science Building, University of Chicago, Chicago, Ill, 60637.

Armed Forces Compt--Armed Forces Comptroller (q) \$5.00. The Armed Forces Comptroller, P.O. Box 291, Falls Church, Va, 22046.

Armed Forces J Intl--Armed Forces Journal International (m) \$12.00. Army and Navy Journal, Inc, 1710 Connecticut Ave, NW, Washington, DC, 20009.

Armor (bim) \$6.50. Armor, P.O. Box O, Fort Knox, Ky, 40121.

Army (m) \$10.00. Assoc of the U.S. Army Fulfillment Manager, 1529 - 18th St, NW, Washington, DC, 20036

Army Log--Army Logistician (bim) \$5.95. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

Army Qtr--Army Quarterly and Defence Journal (q) \$12.50 (est). West of England Press, Publishers, Ltd, 1, West Street, Tavistock, Devon, England.

Combat Crew - SACRP 127-1 (m) No price given. Editor, Combat Crew, Hq SAC (DOSE), Offutt AFB, Nebr, 68113.

Contact - AFITRP 35-1 (bim) No price given. AFIT(CI), Wright-Patterson AFB, Ohio, 45433.

Def Mgt J--Defense Management Journal (q) \$3.10. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

\*\*Def Trans J--Defense Transportation Journal, Official Publication of the National Defense Transportation Association (ceased indexing with vol 29, no.6, Nov-Dec 1973 issue)

Elect Warfare--Electronic Warfare (bim) \$15.00. Electronic Warfare Magazine, 3921 E. Bayshore Road, Palo Alto, Calif, 94303.

\*Fld Arty J--Field Artillery Journal (bim) No price given. Book Store, U.S. Army Field Artillery School, Fort Sill, Okla, 73503.

Forum (3 nos. a year) No price given. National War College, Fort Lesley J. McNair, Washington, DC, 20315.

Govt Exec--Government Executive (m) \$12.00. 1725 K St, NW, Washington, DC, 20006.

Hawk, the Independent Journal of the Royal Air Force Staff College (a) \$1.25 (est). Royal Air Force Staff College, Bracknell, Berkshire, England.

Infantry (bim) \$5.95. Editor, Infantry Magazine, Box 2005, Fort Benning, Ga, 31905.

Interavia (m) \$18.00. Interavia U.S.A., 275 Madison Ave, New York, NY, 10017.

Interceptor - ADCRP 127-2 (m) No price given. Editor, Interceptor, Hq ADC (SED), Ent AFB, Colo, 80912.

Intl Def Rev--International Defense Review (bim) \$20.00. Interavia U.S.A., Suite 1800, 212 Fifth Ave, New York, NY, 10010.

\*Added titles since the 1973 Cumulative Issue

\*\*Titles ceased indexing since the 1973 Cumulative Issue

\*\*\*Titles changed since the 1973 Cumulative Issue



# PERIODICALS INDEXED (Cont'd)

- \*J Pol & Mil Sociol--Journal of Political and Military Sociology (sa) \$7.50. Department of Sociology, Northern Illinois University, DeKalb, Ill, 60115.
- Log Spectrum--Logistics Spectrum (q) \$10.00. Society of Logistics Engineers, 3322 South Memorial Parkway, Suite 65, Huntsville, Ala, 35801.
- MAC Flyer - MACRP 127-5 (m) \$1.90. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- MarCor Gaz--Marine Corps Gazette (m) \$6.00. P. O. Box 1775, MCB, Quantico, Va, 22134.
- Mil Engr--Military Engineer (bim) \$12.50. Society of American Military Engineers, 740 - 15th St, NW, Washington, DC, 20005.
- Mil Rev--Military Review (m) \$6.00. Military Review, USACGSC, Fort Leavenworth, Kans, 66027.
- NATO's Fifteen Nations (bim) \$15.00. Jules Perel's Publishing Co, Post Box 366, Amstelveen, The Netherlands.
- Natl Def--National Defense (bim) \$12.00. American Defense Preparedness Assoc, Union Trust Bldg, Washington, DC, 20005.
- Natl Guardsman--National Guardsman (11 nos. a year) \$2.00. National Guard Assoc of the U.S., 1 Massachusetts Ave, NW, Washington, DC, 20001.
- Nav War Col Rev--Naval War College Review (bim) No price given. Editor, Naval War College Review, U.S. Naval War College, Newport, RI, 02840.
- Navigator - AFRP 50-3 (3 nos. a year) \$2.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Officer (m) \$3.00. Reserve Officers Assoc of the U.S., 1 Constitution Ave, NE, Washington, DC, 20002.
- Parameters, the Journal of the Army War College (sa) No price given. Editor, Parameters, U.S. Army War College, Carlisle Barracks, Pa, 17013.
- Persp in Def Mgt--Perspectives in Defense Management (irregular) No price given. Editor, Perspectives in Defense Management, Industrial College of the Armed Forces, Fort Lesley J. McNair, Washington, DC, 20319.
- RUSI J for Def Studies--RUSI, Journal of the Royal United Services Institute for Defence Studies (q) \$12.50 (est). Secretary, Royal United Services Institute for Defence Studies, Whitehall, London, SWIA 2, ET, England.
- Review (bim) \$10.00. American Logistics Assoc, 1000 Connecticut Ave, NW, Washington, DC, 20036.
- Royal Air Forces Qtr--Royal Air Forces Quarterly (q) \$4.30 (est). R.A.F.A. Publishing Co, Ltd, 43 Grove Park Road, London, W4 3RU, England.
- Sea Power (m) \$5.00. Navy League of the U.S., 818-18th St, NW, Washington, DC, 20006.
- Signal (10 nos. a year) \$9.00. Armed Forces Communications and Electronics Assoc, 5205 Leesburg Pike, Falls Church, Va, 22041.
- Soldiers, Official U.S. Army Magazine (m) \$17.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Soviet Mil Rev--Soviet Military Review (m) \$7.00. Soviet Military Review, 2, Marshal Biryuzov St, Moscow 123298, USSR. (Available from Victor Kamkin Agency, 1410 Columbia Rd, Washington, DC, 20009)
- Spaceflight (m) \$15.50. British Interplanetary Society, 12, Bessborough Gardens, London, SW1V 2JJ, England.
- Strat Rev--Strategic Review (q) No price given. United States Strategic Institute, Suite 1204, 1612 K Street, NW, Washington, DC, 20006.
- TAC Attack - TACRP 127-1 (m) No price given. Editor, TAC Attack, Hq TAC(SEPP), Langley AFB, Va, 23665.
- TIG Brief--The Inspector General Brief - AFRP 11-1 (biw) No price given. Editor, TIG Brief, AF/IGEP, Hq USAF, Washington, DC, 20330. Limited to AF offices.
- Translog (11 nos. a year) \$7.60. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- USAF Ftr Wpns Rev--USAF Fighter Weapons Review (q) No price given. 57th Fighter Weapons Wing (DON), Nellis AFB, Nev, 89191.
- USAF TAWC Rev--USAF TAWC Review - USAFTAWC RP 55-1 (q) No price given. USAF Tactical Air Warfare Center/DOS, Eglin AFB, Fla, 32542.
- USA Avn Dig--United States Army Aviation Digest (m) \$13.40. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- US Nav Inst Proc--United States Naval Institute Proceedings (m) \$12.50. U.S. Naval Institute, Annapolis, Md, 21402.

The following abbreviations are used to denote frequency of issue:

a	annual	bim	every two months
biw	every two weeks	and/or	twice a month
m	monthly	q	quarterly
sa	twice a year	w	weekly

## ARRANGEMENT

The subject entries are constructed on the direct entry principle. Most sponsor agency entries under U.S. have been eliminated and entry is directly under subject agency, e.g., STRATEGIC AIR COMMAND, not U.S. AIR FORCE. STRATEGIC AIR COMMAND. Specific military services of various countries are entered under their name, followed by the name of their country, e.g., AIR FORCE--Great Britain; ARMY--United States.

Material on United States military aircraft by name has been entered under the headings AIRPLANE TYPE; HELICOPTER TYPE; MISSILE TYPE. United States space vehicles by name have been entered under the heading SPACE PROJECT.

AERONAUTICS here embraces the technical and technological aspects of aviation and aircraft; AVIATION the art of flying, both military and civilian; and AIRLINES the commercial transportation companies; FLYING popular, nontechnical articles on the pleasures of flying.

Government departments are listed alphabetically by department title, e.g., DEFENSE DEPT--United States, not DEPARTMENT OF DEFENSE.

Author entries are included for admirals, generals, Dept of Defense officials, and others who are prominent in some field of Index interest.

An organization's abbreviation, if it is a national term, is used not only as a cross reference (e.g., NATO see NORTH ATLANTIC TREATY ORGANIZATION) but also as geographic subdivision (e.g., DEFENSES--NATO). Abbreviations and acronyms are listed at the beginning of their alphabetical section. However, the artificial words LASERS and LORAN are accepted as normal words and are so listed alphabetically.

Reviews of books are grouped under BOOK REVIEWS; military poetry is listed under POEMS.

## KEY TO ABBREVIATIONS

+ (after paging)	continuation of article not paged consecutively	Jun	June
Apr	April	Mar	March
Aug	August	Nov	November
bibliog	bibliography	No.	number
biog	biography	obit	obituary
chart	organizational chart	Oct	October
Dec	December	por	portrait(s)
Feb	February	Sep	September
illus	illustration(s)	sup	supplement
Jan	January	tab	table(s)
Jul	July	trans	translated
		vol	volume

## EXPLANATION

Sample entry: TRI-TAC PROGRAM

What is TRI-TAC? BrigGen Charles E. Williams,  
Jr. illus AU Rev 25:55-60 May-Jun '74

Explanation: Under the subject TRI-TAC PROGRAM an article entitled "What is TRI-TAC?" by BrigGen Charles E. Williams, Jr, with illustrations, appears in the magazine Air University Review, volume 25, on pages 55 through 60, the May-June 1974 issue.

# A

AABNCP see Advanced Airborne Command Posts

ACEUR see Allied Command Europe

AECF see Airman Education and Commissioning Program

AFAA see Air Force Audit Agency

AFCEA see Armed Forces Communications and Electronics Association

AFCENT see Allied Forces, Central Europe

AFDAA see Air Force Data Automation Agency

AFISC see Air Force Inspection and Safety Center

AFIT see Air Force Institute of Technology

AFMPC see Air Force Military Personnel Center

AFOSI see Office of Special Investigations

AFOTC see Reserve Officers Training Corps--Air Force

AFRTS see American Forces Radio and Television Service

AFSATCOM see Air Force Satellite Communications

AFTEC see Air Force Test and Evaluation Center

AID see Agency for International Development

AMST see Advanced Medium Short Takeoff and Landing Transport

ANZUS TREATY

Australia at the crossroads. Niu Sien-chong. NATO's Fifteen Nations 19:74-76+ Aug-Sep '74

AOC see Association of Old Crows

APC see Armored Vehicles

APR see Airman Performance Reports

ASMS see Missile Type--Aegis

ASW see Antisubmarine Warfare

ATT see Army Training Tests

AUSA see Association of the U. S. Army

AUTODIN see Automatic Digital Network

AUTOVON see Automatic Voice Network

AWACS see Airborne Warning and Control Systems

AWADS see Adverse Weather Aerial Delivery System

## ABBREVIATIONS

Acronymia. Col Anthony T. P. Millen. illus Mil Rev 54:49-52 Aug '74

Two-letter U. S. state and foreign country abbreviations. TIG Brief 26:15-16 Jun 21 '74

ABRAMS, Creighton W., Jr

Abe. Editorial. por obit Army 24:6-7 Oct '74

Army, 1974: Emphasis is on readiness. Gen Creighton W. Abrams. Army 24:8-9 Oct '74

Chief of Army praises Air Force close air support systems. por Air Reservist 25:3 Feb '74

Gen Abrams, Army Chief of Staff. obit AF Times 35:45 Sep 18 '74

ABRAMS, Creighton W., Jr - Continued

The Posture of the Army. (Excerpts from statements before House Armed Services Committee, 1974) Gen Creighton W. Abrams. Army Log 6:35-37 May-Jun '74

Eaker on Abrams: Role of Army in peacetime. LtGen Ira C. Eaker, Ret. AF Times 34:13 Apr 24 '74

General Creighton W. Abrams, Jr, 1914-1974, Chief of Staff--U.S. Army. por obit Armor 83:51 Sep-Oct '74

ABSENT WITHOUT LEAVE see Crimes and Misdemeanors

## ACCELERATION

G suit filling pressures determined by seat back angle. John W. Frazier and others. illus tabs Aerosp Med 45:755-757 Jul '74

Influence of ethyl alcohol ingestion on a target task during sustained +G<sub>z</sub> centrifugation. R. R. Burton and J. L. Jaggars. tabs Aerosp Med 45:290-296 Mar '74

Man at high sustained +G<sub>z</sub> acceleration: A review. R. R. Burton and others. illus tabs Aerosp Med 45:1115-1136 Oct '74

Metabolic and endocrine changes in aerobatic flight. E. J. Pinter. illus tabs Aerosp Med 45:1159-1163 Oct '74

Motion sickness incidence as a function of the frequency and acceleration of vertical sinusoidal motion. James F. O'Hanlon and Michael E. McCauley. tabs Aerosp Med 45:366-369 Apr '74

Plasma volume and blood constituent shifts during +G<sub>z</sub> acceleration after bedrest with exercise conditioning. W. van Beaumont and others. tabs Aerosp Med 45:425-430 Apr '74

Quantitative effect of linear acceleration on positional alcohol nystagmus. W. J. Oosterveld and others. illus Aerosp Med 45:695-700 Jul '74

Transmission of angular acceleration to the head in the seated human subject. G. R. Barnes and B. H. Rance. illus tabs Aerosp Med 45:411-416 Apr '74

## ACCIDENT PREVENTION

See also  
Safety Programs

Accident investigation boards (their purpose, their efforts, their results). TIG Brief 26:10 Dec 20 '74

Air Force civil engineering must lead the way (to fire prevention). LtCol Anthony M. Vitale. illus AF Civil Engr 15:8-9 Aug '74

Airborne emergency assistance. illus Aerosp Safety 30:14-15 Dec '74

Aircraft accident prevention. TIG Brief 26:8 Mar 1 '74

"Airplanes collide over ...!" (Prototype systems being tested--Collision Avoidance System (CAS) and Pilot Warning Indicators (PWI)) (Adapted from ICAO Bulletin, Nov 1973) illus MAC Flyer 21:7-9 Apr '74

Ancient history and NOE. Maj William K. McCurry. tab illus USA Avn Dig 20:39-45 Jun '74

And the kitchen sink too! (USAF Hazard Report samples) LtCol Sam G. Henley. illus Aerosp Safety 30:6-7 May '74

Bases get guidelines on bird control. AF Times 35:43 Sep 18 '74

## ACCIDENT PREVENTION - Continued

Bicycle pedalers take note. TIG Brief 26:3-4 Sep 27 '74

Bird-aircraft collision avoidance. TIG Brief 26:22 Aug 2 '74

Bird strikes. TIG Brief 26:1 Sep 13 '74

Birdwatchers beware. illus TAC Attack 14:8-9 Oct '74

CV/CVA helicopter safety. illus Approach 20:28-29 Oct '74

CYA (Clearing one's Yard-Arm)--games people play. (Reprinted from Flight Comment, Sep-Oct 1973) illus TAC Attack 14:4-7 Jan '74; Aerosp Safety 30:6-8 Jan '74; USA Avn Dig 20:30-33 May '74

A can full of dynamite. (Gasoline storage in autos) MSgt William H. Weaver. illus Aerosp Safety 30:26 Jan '74

Chaos index. CDR W. D. Zirbel. tab illus Approach 19:8-11 May '74

Cockpit authority/responsibility. (Reprinted from Aircscoop, Nov 1972) Interceptor 16:5-6 Jul '74

Collision avoidance on the line. (Aircraft and vehicles) illus Interceptor 16:5-8 Jan '74

Copter fuel device helps avoid fires. tab AF Times 34:29 Jul 17 '74

Crashproofing a base. Capt Fred L. Hallberg. illus Aerosp Safety 30:22-23 Aug '74

Design deficiency. Capt David E. Hanson. illus Aerosp Safety 30:20-21 May '74

Doctor sees rise in cycle mishaps. Dorothy E. Mitchell. AF Times 34:21 Jan 9 '74

Explosives accident prevention management. TIG Brief 26:6 Oct 25 '74

F-4 NGS (Nose Gear Steering): An enigma. Maj C. M. Lacroix. illus Approach 19:1 Apr '74

Falling object program. MajGen E. L. Hudson. illus Combat Crew 34:16-17 Mar '74

Five good years (without a major aircraft accident). illus Interceptor 16:18-20 Jun '74

Flightline accidents. illus TAC Attack 14:10-11 Feb '74

For ASOs only: Detail work. Steve Cook. illus Approach 19:22-23 Feb '74

Fowl skies. illus tabs MAC Flyer 21:16-17 Oct '74

Good housekeeping means safer conditions. TIG Brief 26:3 Sep 27 '74

He who exits covered here--a sort of breakthrough in helmet retention during ejection. LtCol Charles A. Lehman. Aerosp Safety 30:4-5 Jun '74

Hemotigers superfluous. (Too much tiger blood) LCDR D. C. Wynne. illus Approach 19:25 Apr '74

Hey, Mr Ugly (personification of accident tragedy), who invited you? LtCol Donald F. Bissell. illus USA Avn Dig 20:42-45 May '74

High risk drivers. tab illus TAC Attack 14:10-12 Jun '74

Hours of boredom (interrupted by moments of stark terror). 1stLt Thomas G. Miller. illus MAC Flyer 21:3-5 Mar '74

How to handle ... a bomb (hot brakes). Capt Michael B. Price. illus Aerosp Safety 30:22-23 Oct '74

## ACCIDENT PREVENTION - Continued

Know your way out. Maj Warren D. Tuttle. illus Aerosp Safety 30:14-17 Mar '74

Light of my life. (Light distribution of Aircraft Anti-collision Beacon System, High Intensity Light (AABSHIL)) Maj John K. Crosley. illus tab USA Avn Dig 20:44-47 Mar '74

The men from EOD (Explosive Ordnance Disposal). 2dLt Kevin E. R. Gonzales. illus Aerosp Safety 30:4-5 Aug '74

Motivation. illus Combat Crew 34:16-19 Jan '74

Mountain magnetism. LtCol Robert J. Brun. illus Aerosp Safety 30:2-3 Mar '74

1973 accident prevention achievements. TIG Brief 26:1-2 Jan 31 '74

No spider in this (top) web (of a no. 4 fuel cell). Joseph F. Tilson. illus Aerosp Safety 30:8-9 Apr '74

Nonaviation ship flight operations. illus tab Approach 20:12-13 Sep '74

Off the runway. illus Approach 19:2-3 Apr '74

One approach to safety. illus Approach 19:1-4 Jan '74

The other air breathing threat. illus Interceptor 16:8-10 Oct '74

Our own worst enemy. (Midair collisions) Maj Edward G. Francis. illus tabs Aerosp Safety 30:6-7 Mar '74

Out of the ashes. Maj William P. Hurn. illus Combat Crew 34:4-6 Jan '74

Potential explosion or fire hazard at work or home. TIG Brief 26:2 Sep 27 '74

Procedure cards. Who needs 'em? LCDR John J. Zerr. illus Approach 20:24-25 Nov '74

The professional perspective ... the chaplain's point of view. LtCol Mansfield E. Hunt. illus Aerosp Safety 30:22-23 May '74

The project officer--your friend at Norton (AFB, Calif). Capt Randall L. Bertrand. Aerosp Safety 30:20-22 Jul '74

R ... V ... are. (Runway Visibility Range (RVR)) LtCol Robert J. Brun. illus Aerosp Safety 30:10-11 Dec '74

Restrain yourself. (Safety belts) ENS J. B. Wells. Approach 19:21 Feb '74

Safety in numbers. (Standardization and the twin-engine fixed wing aircraft accident rate) Ted Kontos. illus USA Avn Dig 20:30-32 Apr '74

Some aspects of flight safety. Kenneth W. Clark. Interavia 29:655-657 Jul '74

Strange noises. (Do helicopters talk?) Maj Russ Cayler. illus MAC Flyer 21:16-17 Aug '74

Strobe light situation report. CDR H. E. Lotze, Jr. illus tab Approach 19:6-9 Jan '74

Supervision--the key to accident prevention. Arnold R. Lambert. illus USA Avn Dig 20:30-33 Jan '74

(Thule weather) from bad to worse. Maj D. A. Davidson. (Adapted from Flight Comment, Jul-Aug '73) illus Approach 19:6-7 Feb '74

The trouble with aviation safety ... is people. Maj Roy P. Hooks. illus USA Avn Dig 20:39-41 May '74

ACCIDENT PREVENTION - Continued

- Two objects can't occupy the same point in space at the same time. Ancharf F. Zeller. illus tabs Aerosp Safety 30:1+ Mar '74
- USAF Safety '76 (campaign). Aerosp Safety 30:1 May '74
- What you think you see. MSgt William H. Weaver. illus Aerosp Safety 30:24-25 Jan '74
- Your undivided attention (while landing aircraft). illus Approach 19:22-23 Mar '74
- Zero accidents--a byproduct of efficiency. LCDR Jim Loughmiller. illus Approach 20:10-11 Aug '74

ACCIDENTS

- Accident survey 'disturbing.' (Employee accidents at recreation, morale and welfare activities) AF Times 34:25 Feb 20 '74
- Application of commercial aircraft accident investigation techniques to a railroad derailment. Gale Braden. illus tabs Aerosp Med 45:772-779 Jul '74
- Burns and scalds. TIG Brief 26:17 Nov 22 '74
- Collision avoidance on the line. (Aircraft and vehicles) illus Interceptor 16:5-8 Jan '74
- Doctor sees rise in cycle mishaps. Dorothy E. Mitchell. AF Times 34:21 Jan 9 '74
- Effective accident/incident reporting. TIG Brief 26:1 May 10 '74
- Ground accident rates: The numbers game. TIG Brief 26:17 Apr 26 '74
- Shipwrecked bridge. Col Carroll D. Strider and Capt Thomas R. Zappacosta, Jr. illus Mil Engr 66:31-33 Jan-Feb '74

Statistics

- High risk drivers. tab illus TAC Attack 14:10-12 Jun '74
- 1973 accident prevention achievements. TIG Brief 26:1-2 Jan 31 '74
- Safety '73. BrigGen Charles E. Yeager. Aerosp Safety 30:2-3+ Apr '74

ACCIDENTS, AIR

- Ancient history and NOE. Maj William K. McCurry. tab illus USA Avn Dig 20:39-45 Jun '74
- Ask not what you can do for the computer, ask what the computer can do for you. L. H. Gilpin, Jr. illus Approach 19:18-21 May '74
- Live bomb and a live man. (Bomb dropped by one Fortress lands on another, May 1944) John W. Archer. illus Air Pict 36:27 Jan '74
- Safety in numbers. (Standardization and the twin-engine fixed wing aircraft accident rate) Ted Kontos. illus USA Avn Dig 20:30-32 Apr '74

Causes

See also  
Pilot Error

- A(erial) C(ombat) M(aneuvers) safety philosophy. illus Approach 20:6-8 Sep '74
- Aircrew fatigue = skill deterioration. Col Kenneth W. Curtis, Jr. illus MAC Flyer 21:16-18 Sep '74

ACCIDENTS, AIR - ContinuedCauses - Cont'd

- Anatomy of a midair (collision). LtCol William M. Thompson. illus Aerosp Safety 30:16-17 Feb '74
- Beat the odds: Helicopter ditching survival. Maj D.A. Nickolson. illus tab Aerosp Safety 30:2-5 Oct '74
- Bird-aircraft collision avoidance. TIG Brief 26:22 Aug 2 '74
- Compressor stalls. illus Interceptor 16:8-14 Jul '74
- The deadly triad (design deficiency, supervisory factor, and pilot error). William E. Barry. Aerosp Med 45, No.8, sec 2:931-932 Aug '74
- Down and out. Regular feature in some issues of Interceptor
- Electroencephalogram and aerospace safety. William H. King and E. Liske. Aerosp Med 45:90-91 Jan '74
- The eyes don't have it! (Account of T-33 accident during a practice VOR approach on a clear night) Capt William J. Richardson. (Reprinted from Interceptor, July 1962) illus Approach 20:22-23 Oct '74
- A failure to communicate. illus TAC Attack 14:4-6 Apr '74
- Flight director fixation. LtCol Robert J. Brun. illus Aerosp Safety 30:6-7 Oct '74
- Going missed approach. Maj Brad Tilford. illus MAC Flyer 21:11-13 Jun '74
- Ground effect. illus tab Approach 20:18-20 Jul '74
- Hepatic cirrhosis and the sudden death syndrome. S.W. Berkheiser. illus tabs Aerosp Med 45, No.8, sec 2:954-958 Aug '74
- Hey, Mr Ugly (personification of accident tragedy), who invited you? LtCol Donald F. Bissell. illus USA Avn Dig 20:42-45 May '74
- Hours of boredom (interrupted by moments of stark terror). 1stLt Thomas G. Miller. illus MAC Flyer 21:3-5 Mar '74
- IMC--Instrument Meteorological Conditions. Patsy R. Thompson. illus USA Avn Dig 20:30-32 Feb '74
- "Keep the sharp end pointed forward"--stability and control from a commander's viewpoint. MajGen Gordon F. Blood. illus USAF Ftr Wpns Rev, pp 1-3, Summer '74
- Land straight ahead. illus Approach 19:12-13 Apr '74
- The last run of flight nine one five. R. A. Alkov. illus Approach 19:18-21 Apr '74
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Admin(istrative) fleet cut, 5000 'lose jobs.' AF Times 35:1+ Dec 18 '74

Aid to airmen promotions. TIG Brief 26:7-8 Dec 6 '74

Airman quality control. TIG Brief 26:15 Aug 2 '74

Airmen facing RIF get ways to remain. AF Times 34:17 Mar 20 '74

Airmen offered dual-tour deal. Bruce Callander. AF Times 34:1+ Jun 19 '74

All not rosy with new re-up bonus--young marrieds face problem. AF Times 35:19 Nov 6 '74

Better jobs asked for EM disqualified specialists. Ron Sanders. AF Times 35:3 Nov 27 '74

"CAREERS" (Career Airman REEnlistment Reservation System)--new retention dimension. AF Plcy Ltr for Comdrs: Sup No. 5:32-34 May '74

The career outlook--many pluses, some minuses for airmen. Ed Gates. illus AF Mag 57:60-64 Apr '74

'Careers' bidders should stand pat. AF Times 35:18 Dec 25 '74

Careers plan gets job done. Bruce Callander. tab AF Times 35:1+ Dec 11 '74

'Careers' re-up plan: The longer you wait the more you may lose. Bruce Callander. AF Times 35:1+ Aug 21 '74

Cuts hit degree-holding EM. AF Times 35:3 Aug 7 '74

AIRMEN - Continued

DOD extends time needed for promotion to E-4. AF Times 35:18 Sep 18 '74

Delayed re-ups suspended--break in service costs bonus. Bruce Callander. AF Times 34:1+ Jul 17 '74

EM job changes take effect Oct 1. AF Times 34:10 Jun 26 '74

EM travel pay gain, loss eyed. AF Times 35:20 Aug 14 '74

FSA (Family Separation Allowance) asked for lower ranks--law discriminates against some families, DOD says. Randy Shoemaker. AF Times 34:11 Jul 3 '74

FSA for lower EM pigeonholed. AF Times 35:3 Oct 30 '74

59 (re-up bonus) changes take hold July 1. tab AF Times 34:28 May 22 '74

5000 eligible for O-6; EM hike reg (AFR 39-29) shaken up. George Foster. AF Times 35:1+ Sep 11 '74

Food service survey: EM due a choice of where to eat. Ron Sanders. AF Times 35:3 Sep 25 '74

Grounding notice for EM working. AF Times 35:3 Nov 20 '74

Major RIF on for enlisted. Bruce Callander. tab AF Times 34:1+ Jan 30 '74

Many changes afoot in EM skills, retraining. Bruce Callander and Ron Sanders. AF Times 34:1+ Jun 26 '74

More early-outs set--some EM leave year sooner. Bruce Callander. AF Times 34:1+ Feb 13 '74

New change pushed to alert EM fliers to grounding notice. AF Times 35:8 Aug 28 '74

New separation route (for "miscellaneous reasons") open to EM. AF Times 34:1+ Jun 5 '74

No new 'out' plans--for now. AF Times 34:4 Apr 24 '74

Overall impact of EM bonus. Bruce Callander. AF Times 34:4 May 1 '74

Plan (assigning airmen by skill level rather than by grade) will improve base-choice odds. Bruce Callander. AF Times 34:2 Jul 3 '74

Policies on demotions rewritten. (AFR 39-30 (Administrative Demotion of Airmen)) AF Times 34:3 Jul 3 '74

Promotion of airmen. TIG Brief 26:3-4 Oct 11 '74

Public release date of airman promotion information. TIG Brief 26:5 Oct 11 '74

RIF cards readied for early-out EM--first can go by April 1. AF Times 34:20 Feb 20 '74

RIF plans developed--officer board to gather Nov 11; early-release of airmen possible. AF Times 35:1+ Nov 6 '74

Retraining--many first termers must shift to short-age skills to re-up. Bruce Callander. AF Times 34:1+ Jun 12 '74

Revised reg (AFR 39-29) details hike rules--criteria and requirements set forth. tab AF Times 35:10 Sep 11 '74

AIRMEN - Continued

Role of SEIs (Special Experience Identifiers) in airman assignment process. TIG Brief 26:7 Jul 19 '74

SRB save-pay twist could hurt some EM--regular bonus balance lost on 2d re-up. AF Times 34:18 Jun 5 '74

7684 getting stripes; E-5 in squeeze. AF Times 35:3 Oct 30 '74

Some rotating airmen can depart year early. Bruce Callander. tab AF Times 34:1+ Mar 27 '74

Timing key factor in re-ups--EM advised to seek counsel before signing. AF Times 34:21 Jul 24 '74

Two changes tighten base-of-choice plan. Bruce Callander. AF Times 35:1+ Aug 28 '74

Uniform clothing allowance for airmen. TIG Brief 26:7 Aug 2 '74

Volunteer catalog (for AF enlisted personnel). Airman 18:20-23 May '74

Way smoothed for AF and EM to part (in Change 2 to AFM 39-10). AF Times 34:15 Jul 24 '74

AIRMEN'S CLUBS see Servicemen's ClubsAIRPLANE HIJACKING

Air piracy--a gleam of hope for the world. Richard Clutterbuck. Army Qtr 104:402-408 Jul '74

Aircraft hijacking and Federal Bureau of Investigation involvement. TIG Brief 26:19-20 Jan 18 '74

Prevention

Customs phasing out antihijack program. AF Times 34:8 Feb 20 '74

AIRPLANE TYPE

Only U. S. military airplanes are entered under type. For airplanes of other countries see entries under specific categories, e. g., Airplanes, Military--Great Britain.

A-4

More CAS for your dollar. Maj John H. Key. tab MarCor Gaz 58:39-40 Apr '74

A-7

A-7 baro bombing. Capt Mike Hembrough. illus tabs USAF Ftr Wpns Rev, pp 8-12, Fall '74

A-7 barricade arrestments. illus Approach 19:16-17 Mar '74

The A-7 challenge. Capt Randolph B. Felker. illus Air Reservist 25:8-9 Dec '73-Jan '74

A-7D wing leading edge damage. Maj Bob Lawler. TAC Attack 14:7 Mar '74

The (Air Guard forward air controller) tricks of the trade. (Exercise Boldfire 3-74) illus Natl Guardsman 28:5-7 Aug-Sep '74

Avionics and the A-7. J. Philip Geddes. illus tabs Intl Def Rev 7:603-606 Oct '74; Interavia 29:1015-1018 Oct '74

Corsair II--wet runway landing accident. illus Approach 20:1-3 Nov '74

From the A-7 to rapid-transport systems--a review of LTV Aerospace activities. J. Philip Geddes. illus Interavia 29:570-571 Jun '74

AIRPLANE TYPE - ContinuedA-7 - Cont'd

Full systems at launch: A new concept in fleet aviation operations. LCDR D.P. March. illus US Nav Inst Proc 100:34-41 Jan '74

One pilot's lament. illus Approach 19:8-9 Mar '74

'Survival' flyoff set to test A-10A (and A-7D). AF Times 34:20 Jan 2 '74

Who's flying the approach? LTJG David J. Wagner. illus Approach 19:8-9 Feb '74

A-10

The A-10 aircraft--a case history. Col Wayne T. Frye, Ret. illus Def Mgt J 10:32-33 Sep '74

A-10--USAF choice for the close air support role. J. Philip Geddes. illus tabs Intl Def Rev 7:70-76 Feb '74

Close air support in the USAF. Gen W.W. Mommyer, Ret. illus Intl Def Rev 7:77-79 Feb '74

The Fairchild Industries A-10: Designed for close air support. J. Philip Geddes. tab illus (Also cutaways) Interavia 29:119-122 Feb '74

New gun in the holster. (GAU-8, 30 mm antitank gun system in the A-10) illus Airman 18:38 May '74

The new look in close air support: The A-10. (Address, Jonathan Breakfast Club of Los Angeles, July 16, 1974) BrigGen Thomas H. McMullen. AF Plcy Ltr for Comdrs: Sup No. 9:18-23 Sep '74

New muscles for the tactical arm. (A-10, AMST, RPVs) Edgar Ulsamer. illus tab AF Mag 57:22-28 Oct '74

'Survival' flyoff set to test A-10A (and A-7D). AF Times 34:20 Jan 2 '74

B-1

The B-1 bomber. (Remarks, Rollout ceremony for the B-1 bomber, Palmdale, Calif, Oct 26, 1974) James R. Schlesinger. AF Plcy Ltr for Comdrs: Sup No. 12:2-5 Dec '74; Elect Warfare 6:13-14+ Nov-Dec '74

B-1--'good bargain' for deterrence. Edgar Ulsamer. illus AF Mag 57:38-40 Dec '74

The B-1 is here. 1stLt Stephen O. Manning III. illus Airman 18: inside front cover Dec '74

B-1 radio frequency surveillance/electronic countermeasure subsystem--a case history. Col John J. McGee, Jr. illus Def Mgt J 10:34-35 Sep '74

The first B-1 bomber. AF Plcy Ltr for Comdrs: Sup No. 12:23-24 Dec '74

Making a case for the B-1. LtGen Ira C. Eaker, Ret. AF Times 35:13 Nov 27 '74

Report (by Sen George S. McGovern and Rep John F. Seiberling) questions need for B-1 project. AF Times 34:32 Jun 26 '74

Rockwell International's B-1 strategic bomber. (Design profile, no. 3) Maurice Allward. tab illus (Also cutaways) Air Pict 36:10-14 Jan '74

Secretary (John L.) McLucas looks at pressing Air Force needs. Edgar Ulsamer. illus AF Mag 57: 38-44 Jan '74

AIRPLANE TYPE - ContinuedB-1 - Cont'd

(Tests of B-1 bomber navigation system) Signal 29:66 Sep '74

Will the B-1 be one (of a long line of great bombers)? Interview. Gen John C. Meyer. illus Airman 18:17-19 Apr '74

Writer compares B-1 to a fighter. Meyers K. Jacobson. illus AF Times 34:29 Jun 12 '74

YF-16, B-1 face testing. AF Times 34:33 Feb 13 '74

Equipment

Rockwell International's B-1 strategic bomber. (Design profile, no. 3) Maurice Allward. tab illus (Also cutaways) Air Pict 36:10-14 Jan '74

Testing

B-1 flyability. G. Francis Farrell. illus Combat Crew 33:4-11+ Dec '73

Building a better bomber. illus Aerosp Safety 30:10-12 Jul '74

B-17

Live bomb and a live man. (Bomb dropped by one Fortress lands on another, May 1944) John W. Archer. illus Air Pict 36:27 Jan '74

Salute to the 379th--a SAC bomb wing with a proud tradition. G. Francis Farrell. illus Combat Crew No. 7:16-20 Jul '74

B-36

The jet-pod B-36--a new lease on life. Meyers K. Jacobsen. illus Am Avn Hist Soc J 19:66-68 Spring '74

Skyhooks. TSgt Rick Sherry. illus TAC Attack 14: 10-12 Jan '74

B-47

Salute to the 379th--a SAC bomb wing with a proud tradition. G. Francis Farrell. illus Combat Crew No. 7:16-20 Jul '74

B-52

Alert and waiting (at Wright-Patterson AFB, Ohio). Lt Charles Stricklin. illus Airman 18:12-16 Jul '74

B-52G: Mastering the magnificent monster--a pilot's report. 1stLt Ronald C. Elsdon. tab illus AF Mag 57:46-51 Nov '74

The last B-52 mission from Guam. Capt Victor B. Putz. illus tab AF Mag 57:49-54 Jun '74

Man the turrets. Lt Charles Stricklin. illus Airman 18:2-6 May '74

Night eyes on the B-52. Allen Storm. illus AF Mag 57:36-40 Oct '74

Oklahoma's biggest strip joint. (Oklahoma City ALC does programmed, extensive renovations on Air Force planes) Ted R. Sturm. illus Airman 18: 16-20 Jun '74

Salute to the 379th--a SAC bomb wing with a proud tradition. G. Francis Farrell. illus Combat Crew No. 7:16-20 Jul '74

AIRPLANE TYPE - ContinuedB-52 - Cont'd

Wings in competition. (Giant Voice '74) illus Combat Crew No. 11:6-7+ Nov '74

History

(B-52s)--they're not getting older ... they're just getting better. Capt Ray Milberg. illus Combat Crew No. 11:12-15 Nov '74

Study and Teaching

(93d Bomb Wg Replacement Training Unit) RTU alive and well at Carswell (AFB, Tex). Majs Bob Rawls and Mike Dohrse. illus Combat Crew No. 7:8-10 Jul '74

B-57

Five good years (without a major aircraft accident). illus Interceptor 16:18-20 Jun '74

C-5

C-5A: MAC's biggest & newest. 1stLt John A. Moore, Jr. illus Navigator 21:16-18 Fall '74

C-5A proves its worth as ICBM launcher. illus Armed Forces J Intl 112:34 Dec '74

Lockheed's Galaxy (in the) Mid-East. Govt Exec 6: 14-15 Apr '74

New C-5s not in offing, despite Iranians' interest. AF Times 35:2 Dec 18 '74

9 tests preceded (ICBM) air drop. illus AF Times 35:26 Nov 20 '74

One C-5 tank of gas: \$17,000. AF Times 35:30 Nov 27 '74

Psychobiologic aspects of double-crew long-duration missions in C-5 aircraft. Bryce O. Hartman and others. tabs Aerosp Med 45:1149-1154 Oct '74

C-123

'Like gang busters.' (Fog dispersing solution developed by the Navy) MSgt Gerald Smith. illus Air Reservist 26:4-5 Aug-Sep '74

Spray away. (Using C-123's to spread liquid fertilizer on clouds in fog dispersal experiment) MSgt Jerry Smith. illus Airman 18:39-41 Oct '74

C-124

Shakey (C-124)'s alive and flying in the ANG. LtCol Gene Allen. illus MAC Flyer 21:14-15 Sep '74

C-130

Bush pilots in Herky birds. (Resupply of remote sites by means of (17th Tactical Airlift Sq's) C-130's from Elmendorf AFB, Alas) Sgt Dick Anderson. illus Airman 18:13-15 Feb '74

Stay above the grain line. (USAF airlift of grain to West Africa by 317th Tactical Airlift Wg, Pope AFB, NC) Maj John T. Correll. illus Airman 18: 22-26 Feb '74

History

Lockheed Hercules--the first 20 years. illus tab Air Pict pt 1, 36:302-305 Aug '74; pt 2, 36:350-353 Sep '74

AIRPLANE TYPE - ContinuedC-141

Flying fruit basket. (Supply and air evacuation missions between McChord AFB, Wash, and the Aleutian Islands) Capt R. Douglas McLarty. illus Airman 18:36-40 Nov '74

The Starlifter turns ten. Ted R. Sturm. illus Airman 18:42-47 Oct '74

T-tails into Irkutsk. (C-141 with a Reserve crew flies into Siberia to evacuate an ill American civilian) MSgt Jerry Smith. illus Airman 18:20-26 Sep '74

Whatever happened to CAM (Combat Airlift Mission)? Maj Joseph B. Burris. illus MAC Flyer 21:14-15 Jun '74

C-142

See XC-142

Canberra

See B-57

Corsair II

See A-7

DC - 130

White Owl (11th Tactical Drone Sq) zero-one has the bird. (Modified Midair Recovery System (MARS) helicopter mission) Capt L. C. Nauton. illus Aerosp Safety 30:2-3 May '74

Delta Dagger

See F-102

Delta Dart

See F-106

E-3

AWACS--USAF's most successful development program. Edgar Ulsamer. illus AF Mag 57:69-76 Jul '74

Eagle

See F-15

F-4

Believe the lights Charlie. (Boundary Layer Control (BLC)) Bob Moore. illus TAC Attack 14:12-13 Sep '74

The Black Knights (57th FIS) are the good guys. LtCol T.C. Thompson. illus Interceptor 16:5-7 Nov '74

Black Lions and green Phantoms. Stephen Riley. tab illus Am Avn Hist Soc J 19:29-32 Spring '74

Bob-tailed Phantom. illus Approach 19:5 Mar '74

F-4 NGS (Nose Gear Steering): An enigma. Maj C.M. Lacroix. illus Approach 19:1 Apr '74

F-4 weight & balance. tabs illus TAC Attack 14:12-15 Jul '74

F-15--NATO's best buy? illus tab Govt Exec 7:14+ Sep '74

Instant replay over Banana Valley. (Two "dog fights" over North Vietnam; Capt Steve Ritchie shoots down two MIGs in one mission) Tam Anderson. illus Airman 18:20-25 Jan '74

"Keep the sharp end pointed forward"--stability and control from a commander's viewpoint. MajGen Gordon F. Blood. illus USAF Ftr Wpns Rev, pp 1-3, Summer '74

More CAS for your dollar. Maj John H. Key. tab MarCor Gaz 58:39-40 Apr '74



AIRPLANE TYPE - ContinuedF-4 - Cont'd

No spider in this (top) web (of a no. 4 fuel cell). Joseph F. Tilson. illus Aerosp Safety 30:8-9 Apr '74

Off the runway. illus Approach 19:2-3 Apr '74

Prediction of pilot performance in the F-4 aircraft. Richard H. Shannon and Wayne L. Waag. tabs Aerosp Med 45:167-170 Feb '74

Rolling stock. (Importance of good maintenance of F-4 Phantom tires) illus Airman 18:47 Apr '74

The Thunderbirds, ambassadors in blue. (Interview with Capt Gil Mook) Interceptor 16:8-15 Nov '74

To build sand castles. (Range Rats build simulated target sites at Indian Springs AF Auxiliary Field near Nellis AFB, Nev) Tam Anderson. illus Airman 18:42-47 Jan '74

Tracor wins ECM dispenser competition. illus Elect Warfare 6:62 Jul-Aug '74

Study and Teaching

Fangs down to the waist: How fighter pilots get to be that way. (TAC's Replacement Training Unit (94th TFS) at MacDill AFB, Fla, trains new pilots & navigators for combat duty) Capt John B. Taylor. illus Airman 18:24-30 May '74

F-5

(Two-place fighter--F-5F, expected September 1974) Signal 28:63 Apr '74

F-14

Flying back seat in the F-14. George Haering. illus Armed Forces J Intl 112:38-40 Oct '74

F-15

F-15, America's superior Eagle. (Design profile, no. 7) Maurice Allward. tab illus Air Pict 36:289-293 Aug '74

Flying the F-15. Capt Don Carson. illus tabs AF Mag 57:23-29 Feb '74

It's a bird ... no, it's a plane--it's ... superfighter. Capt Robert J. Hoag. illus TAC Attack 14:4-10 Nov '74

Superfighter (F-15). Capt Robert J. Hoag. illus USAF Ftr Wpns Rev, pp 18-30, Summer '74

TAC to phase in F-15 units. AF Times 34:19 Apr 10 '74

USAF gets its first F-15--is F-15 world's best fighter? Armed Forces J Intl 112:14 Dec '74

A visit with the (F-15) Eagle--the maintenance man's dream. Stan Hardison. illus TAC Attack 14:4-6 Mar '74

What Eagles do. (Gen Robert J. Dixon takes command of TAC and flies the F-15) Maj John T. Correll. illus Airman 18:44-47 Aug '74

Costs

F-15--NATO's best buy? illus tab Govt Exec 7:14+ Sep '74

Maintenance and Repair

A visit with the (F-15) Eagle--the maintenance man's dream. Stan Hardison. illus TAC Attack 14:4-6 Mar '74

AIRPLANE TYPE - ContinuedF-100

Emergency situation training F-100. Capt Wiley Greene. illus TAC Attack 14:16-17 Feb '74

Emergency situation training F-100. Capt Wiley Greene. illus TAC Attack 14:22 Jun '74

F-100D/F egress system update. LtCol Jesse J. Henderson. illus TAC Attack 14:20-21 Dec '74

F-101

F-101 (winners for William Tell 1974)--MAINEiacs (Maine's ANG crew). illus Interceptor 16:12-15 Dec '74

F-102

Compressor stalls. illus Interceptor 16:8-14 Jul '74

F-102 (William Tell 1974 winners). illus Interceptor 16:20-23 Dec '74

F-104

India and the MIG-21. Pushpindar Chopra. (Adapted from Air Enthusiast, July 1973) illus USAF Ftr Wpns Rev, pp 18-26, Spring '74

F-105

F-105s join USAF Reserve Forces. Capt Don Carson. illus AF Mag 57:24-25 Apr '74

Flying the Thud. Capt Don Carson. illus tab AF Mag 57:18-23 Apr '74

Rolling Thunder. (F-105 crews flying Rolling Thunder campaign from Korat and Takhli, 1965-68) Capt Scott Duncan. illus Airman 18:24-28 Oct '74

F-106

Down and in: Dead Dart. Capt William A. Scott. Interceptor 16:26-28 Feb '74

F-106 (winners of William Tell 74). illus Interceptor 16:24-27 Dec '74

Major (Robert M. Howard, Jr) saves crippled F-106 in test flight. AF Times 35:21 Sep 11 '74

Study and Teaching

ISD (Instructional Systems Development)--get with it. Capt W.A. Scott. Interceptor 16:21-22 Oct '74

Maintenance and Repair

Last chance on runway three-three. (End of runway aircraft inspection on F-106's at Griffiss AFB, NY) TSgt Tom Dwyer. illus Airman 18:32-35 May '74

F-111

The (Air Guard forward air controller) tricks of the trade. (Exercise Boldfire 3-74) illus Natl Guardsman 28:5-7 Aug-Sep '74

The F-111 "Wizzo." Capt David M. Hornbaker. illus Navigator 21:11-15 Fall '74

A failure to communicate. illus TAC Attack 14:4-6 Apr '74

The swinging single. (Versatility of the swing-wing plane) Maj John T. Correll. illus Airman 18:10-14 Jun '74

AIRPLANE TYPE - ContinuedFB-111

(B-52 and/or B-58) experience not required (for FB-111)--but it helps. 1stLt Michael E. Uecker. illus Navigator 21:12-13 Jan '74

Fatigue in FB-111 crewmembers. Bryce O. Hartman and others. tabs Aerosp Med 45:1026-1029 Sep '74

Navilot. (FB-111 right-seat navigator) Maj Maynard Honesty. illus Combat Crew 33:8-10 Sep '73

Wings in competition. (Giant Voice '74) illus Combat Crew No. 11:6-7+ Nov '74

Freedom Fighter

See F-5

Galaxy

See C-5

Globemaster

See C-124

Hercules

See C-130

Hummingbird

See XV-4

KC-135

Are you a tanker type? Capt John H. Zimmerman. Combat Crew 33:12-13 Sep '73

Flight of LORA 56. (Handling of electrical malfunctions) Capt Clayton R. Frishkorn, Jr. illus Combat Crew 24:8-10 Oct '74

KC-135 aerodynamic flight characteristics. Tom Waldeck. illus Combat Crew No. 9:6-7 Sep '74

Overwater navigation ... in the '135. LtCol Edwin J. Zemler. illus Combat Crew 33:4-7+ Nov '73

Wings in competition. (Giant Voice '74) illus Combat Crew No. 11:6-7+ Nov '74

Maintenance and Repair

Watts, volts & amps? (KC-135 maintenance) TSgt Ronald R. Bucklin. illus Combat Crew No. 9:8-12 Sep '74

Mohawk

See OV-1

Mustang

See P-51

OV-1

Surveillance at its best. Capt Nelson G. Perego. illus USA Avn Dig 20:20-23 Aug '74

OV-10

More CAS for your dollar. Maj John H. Key. tab MarCor Gaz 58:39-40 Apr '74

Orion

See P-3

P-3

The airborne destroyer. (Indifferent crew performance prevents P-3 Orion from being twice as effective) LT William G. Marshall. illus US Nav Inst Proc: 100:26-34 Mar '74

Landing the P-3 (or whatever). Jay Beasley. illus Approach 19:28-29 Feb '74

AIRPLANE TYPE - ContinuedP-51History

The A-36 dive-bombing Mustang. William G. Holder. illus TAC Attack 14:24-27 Aug '74

The P-51 over Berlin. Gen Mark E. Bradley, Ret. illus Aerosp Hist 21:125-128 Fall '74

Phantom II

See F-4; RF-4

Provider

See C-123

RF-4

Fast fix on the other side. (17th Tactical Reconnaissance Sq maintains proficiency in aerial reconnaissance in RF-4Cs at Zweibrücken AB, Germany) Maj John T. Correll. illus Airman 18:3-6 Mar '74

S-3

The S-3A (Viking carrier-borne anti-submarine aircraft) joins the U.S. fleet. illus tabs Intl Def Rev 7:322-323 Jun '74; Condensation. Interavia 29:574 Jun '74

So you're going to fly the Viking (S-3A). LCDR R. L. Wilson. illus Approach 20:18-21 Oct '74

SR-71

Blackbird SR-71. LtCol Earle M. Boone. illus Aerosp Safety 30:1-3 Nov '74

SR-71: A shill for SST? illus AF Times 35:2 Oct 2 '74

Two fly Atlantic in under 2 hours (in 9th Strategic Reconnaissance SR-71). illus AF Times 35:24 Sep 18 '74

Yankee ingenuity in England. (Dominated by U.S. equipment and technology, Farnborough International showed that American R&D investments are paying off; the SR-71 speed record capped a display) Claude Witze. illus AF Mag 57:29-32 Oct '74

Shooting Star

See T-33

Skyhawk

See TA-4

Starfighter

See F-104

Starlifter

See C-141

Stratofortress

See B-52

Stratojet

See B-47

Stratotanker

See KC-135

Super Sabre

See F-100

T-33

Cockpit fit. illus Interceptor 16:16-20 Oct '74

AIRPLANE TYPE - ContinuedT-38

Aggressively speaking. (64th FWS) Capt Mike Press. illus tab USAF Ftr Wpns Rev, pp 1-3, Fall '74

Aggressively speaking. (Why Aggressor Squadron training has been successful and how weapons controllers should join the battle for air superiority) Maj Joe Lee Burns. illus USAF Ftr Wpns Rev, pp 20-23, Winter '74

Teaching tactics in TAC's 'MIGs.' Capt Don Carson. illus AF Mag 57:44-47 Mar '74

That talented Talon. Capt Jim Tilton. illus Airman 18:30-33 Sep '74

The Thunderbirds, ambassadors in blue. (Interview with Capt Gil Mook) Interceptor 16:8-15 Nov '74

T-43

The future is now! (Undergraduate Navigator Training System (UNTS)) Capt Donald M. Billick. illus Navigator 21:5-9 Jan '74

TA-4

Departures: Zero-G no cure-all. Capt A. H. Boquet. illus Approach 20:1-3 Jul '74

TFX

See F-111

Talon

See T-38

Thunderchief

See F-105

Tomcat

See F-14

V-1

See OV-1

V-3

See XV-3

V-6

See XV-6

V-10

See OV-10

VFX

See F-14

VSX

See S-3

Viking

See S-3

Voodoo

See F-101

X-13

Straight up--straight down. William G. Holder. illus TAC Attack 13:8-12 May '73

X-19

Straight up--straight down. William G. Holder. illus TAC Attack 13:8-12 May '73

X-22

Straight up--straight down. William G. Holder. illus TAC Attack 13:8-12 May '73

AIRPLANE TYPE - ContinuedXC-142

Straight up--straight down. William G. Holder. illus TAC Attack 13:8-12 May '73

XV-3

Straight up--straight down. William G. Holder. illus TAC Attack 13:8-12 May '73

XV-4

Straight up--straight down. William G. Holder. illus TAC Attack 13:8-12 May '73

XV-6

Straight up--straight down. William G. Holder. illus TAC Attack 13:8-12 May '73

YF-16

The airplane nobody wanted. Benjamin F. Schemmer. illus tab Armed Forces J Intl 112:34-35+ Oct '74

Balky stabilizer puts YF-16 up in the air. AF Times 34:26 Feb 27 '74

First of a new breed. illus Armed Forces J Intl 111: 8-10 Jan '74

Pilot-seat angle tested at Brooks (AFB, Tex, School of Aerospace Medicine). AF Times 35:25 Oct 9 '74

Prototyping: Competitors or companions? Craig Powell. illus Govt Exec 6:37+ Apr '74

Two views on Navy fighters. CAPT Gerald G. O'Rourke, Ret. illus Armed Forces J Intl 112: 29+ Nov '74

The U.S. lightweight fighter program. illus tab Intl Def Rev 7:57-60 Feb '74

YF-16, B-1 face testing. AF Times 34:33 Feb 13 '74

YF-16: General Dynamics' lightweight challenger enters the ring. illus tabs Interavia 29:156 Feb '74

YF-16--on time, on track, on budget: General Dynamics' entry in the lightweight fighter competition. Edgar Ulsamer. illus AF Mag 57:50-54 Jan '74

YF-16: True fighter plane. illus AF Times 34:20 Jan 2 '74

YF-16 vs YF-17--the lightweight fighter: Headed for production? John L. Frisbee. illus AF Mag 57:34-35 Jun '74

YF-17

The airplane nobody wanted. Benjamin F. Schemmer. illus tab Armed Forces J Intl 112:34-35+ Oct '74

The light-weight high-performance YF-17. J. Philip Geddes. tabs illus Interavia 28:1315-1318 Dec '73

Northrop YF-17 Cobra--technology demonstrator makes first flight. illus NATO's Fifteen Nations 19:77 Jun-Jul '74

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(When turbulence thrashes your machine) keep it right side up! Capt A.R. Barbin. illus MAC Flyer 21:13-15 Jul '74

Study and Teaching

- Emergency situation training F-100. Capt Wiley Greene. illus TAC Attack 14:16-17 Feb '74  
Emergency situation training F-100. Capt Wiley Greene. illus TAC Attack 14:22 Jun '74

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Gas Turbines (Aircraft)  
Jet Engines

- After re-organization, Detroit Diesel Allison makes good progress. J. Philip Geddes. illus tabs Interavia 29:562 Jun '74  
In which an engine is restarted (or was it?). LT Anthony R. Thompson. Approach 19:7 Apr '74  
Rolls-Royce: Full steam ahead again. illus tabs Interavia 29:836-838 Sep '74

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- Engine control. illus Interceptor 16:5-9 Sep '74

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- Correcting a serious deficiency. (Aeropropulsion Systems Test Facility to be constructed at Arnold Engineering Development Center) Maj Chandis Klinger and Gottfried M. Arnold. illus AF Civil Engr 15:26-29 May '74  
XP 42 perennial test-bed. Gerry Beauchamp. tabs illus Am Avn Hist Soc J 19:82-92 Summer '74

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- Crash-rescue ... a second chance to live. LtCol Wm P. Hurn. illus Combat Crew No. 9:16-19 Sep '74  
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Exorcise the unwanted flier. Maj Bernard S. Jones. Combat Crew 34:14-15 Mar '74

Fuel Systems

- Follow the flowing fuel. Capt Michael B. Price. illus (Also cutaway) Aerosp Safety 30:4-7 Apr '74  
Out of gas. Ted Kontos. USA Avn Dig 20:34-35 Feb '74

Fuel Tanks

- F-4 weight & balance. tabs illus TAC Attack 14:12-15 Jul '74

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- Follow the flowing fuel. Capt Michael B. Price. illus (Also cutaway) Aerosp Safety 30:4-7 Apr '74  
No spider in this (top) web (of a no. 4 fuel cell). Joseph F. Tilson. illus Aerosp Safety 30:8-9 Apr '74  
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- New concept in hydraulic tubing repair. TIG Brief 26:11 Dec 6 '74  
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Ice Prevention

- Ask your friendly weatherman. Capt Philip Hunter. illus Combat Crew 33:12-15 Nov '73  
Icing is for cakes (not aircraft). Aerosp Safety 30:15 Feb '74  
Plan for winter. illus Approach 20:1-4 Dec '74  
Speaking of winter. Capt A.R. Barbin. illus MAC Flyer 21:12-15 Oct '74  
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Preflight Inspections

Falling object program. MajGen E. L. Hudson. illus  
Combat Crew 34:16-17 Mar '74Last chance on runway three-three. (End of runway  
aircraft inspection on F-106's at Griffiss AFB,  
NY) TSgt Tom Dwyer. illus Airman 18:32-35  
May '74InstrumentsSee Aeronautical InstrumentsInterceptionAir Guard sweeps interceptor (William Tell '74) con-  
test. illus tab Natl Guardsman 28:2-9 Dec '74The Black Knights (57th FIS) are the good guys. LtCol  
T. C. Thompson. illus Interceptor 16:5-7 Nov '74Instant intercept. Capt Gary C. Eickmeier. illus tab  
Navigator 21:14-15 Jan '74Since 1954 ... three generations of interceptors.  
illus Interceptor 16:4-5 Dec '74Landing and TakeoffSee also

Automatic Landing Systems

Catapults

Ground-Controlled Approach

Hydroplaning

A-7 barricade arrestments. illus Approach 19:16-17  
Mar '74Barriers to preclude premature or unauthorized  
takeoff of nuclear-weapon-loaded aircraft. TIG  
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the V/STOL combat aircraft. A. W. Bedford. illus  
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proach 20:1-3 Nov '74Descend at pilot's discretion. (Saving fuel) Capt  
Peter G. Dunn. illus Combat Crew 24:8-10 Aug '74

The final error. illus MAC Flyer 21:16-18 Mar '74

Flight of LORA 56. (Handling of electrical malfunc-  
tions) Capt Clayton R. Frishkorn, Jr. illus Com-  
bat Crew 24:8-10 Oct '74Going missed approach. Maj Brad Tilford. illus  
MAC Flyer 21:11-13 Jun '74

Ground effect. illus tab Approach 20:18-20 Jul '74

Inflight engagement. illus Approach 19:24 Mar '74

The LSO (Landing Signal Officer): Forever an asset.  
CDR James H. Flatley, III. illus Approach 20:6-8  
Oct '74Landing the P-3 (or whatever). Jay Beasley. illus  
Approach 19:28-29 Feb '74"Minimums--runway in sight"--low ceilings, lousy  
vis, and broad course tolerances make the non-  
precision approach a sporty event. illus tabs MAC  
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One pilot's lament. illus Approach 19:8-9 Mar '74

Operational decisions. LCDR R. M. Nutwell. illus  
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Plan for winter. illus Approach 20:1-4 Dec '74

Poor man's VASI (Visual Approach Slope Indicator).  
Maj Roland D. Guidry. illus USAF TAWC Rev 5:  
20-22 Winter '74Ready for winter? LtCol Vance Lerner and Maj  
Angelo L. Anzivino. illus Aerosp Safety 30:4-5  
Nov '74"Request ASR approach." Capt R. Gregory Carr. illus  
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Kenneth S. Harvell. Combat Crew 33:18-19 Sep '73Speaking of winter. Capt A. R. Barbin. illus MAC  
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Crew 24:10-11 Oct '74Wake turbulence. Maj Joe Tillman. illus TAC Attack  
14:16-21 Aug '74When feathers are ruffled, drop your hook! Col  
Morris B. Rubenstein. illus tab AF Civil Engr 15:  
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illus USA Avn Dig 20:27 Jan '74LaunchingSee CatapultsLightingStrobe light sit(uation) rep(ort). CDR H. E. Lotze, Jr.  
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16:6-7 Dec '74Maintenance and RepairSee Aircraft Maintenance and subdivisionMaintenance and Repair under specific Airplane  
TypesManufactureSee Aircraft Industry and TradeMarkingsSee Airplanes, Military--InsigniaMaterialsB-1 flyability. G. Francis Farrell. illus Combat Crew  
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proach 20:1-3 Nov '74

Departures: Zero-G no cure-all. Capt A. H. Boquet.  
illus Approach 20:1-3 Jul '74

Dollar ride with the old man. (On a MAC flight of the  
future an old head reminisces as he baptizes a  
fledgling pilot into the Gooney Bird system) Capt  
Steven H. Findeiss. illus MAC Flyer 21:3-6 Aug '74

Fuel effectiveness to conserve the resources. Maj  
Arthur R. Vaughn. illus USA Avn Dig 20:22-23  
Apr '74

Ground effect. illus tab Approach 20:18-20 Jul '74

In which an engine is restarted (or was it?). LT  
Anthony R. Thompson. Approach 19:7 Apr '74

"Keep the sharp end pointed forward"--stability and  
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Gordon F. Blood. illus USAF Ftr Wpns Rev, pp 1-3,  
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Ready for winter? LtCol Vance Lerner and Maj  
Angelo L. Anzivino. illus Aerosp Safety 30:4-5  
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So you're goint to fly the Viking (S-3A). LCDR R. L.  
Wilson. illus Approach 20:18-21 Oct '74

Two to tango. (A good tanker autopilot-off platform  
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Crook. illus Combat Crew 24:18-19 Oct '74

Wake turbulence. Maj Joe Tillman. illus TAC Attack  
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(When turbulence thrashes your machine) keep it  
right side up! Capt A. R. Barbin. illus MAC Flyer  
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Power PlantsSee also

Airplanes, Military--Engines

Recognition

See Airplanes, Military--Identification

RefuelingSee also

In-Flight Refueling

Unidentified extra. (A refueling hitch in the South  
Pacific, early 50s) Maj William F. Schroder. tab  
illus MAC Flyer 21:5-7 Oct '74

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G suit filling pressures determined by seat back an-  
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B-1 flyability. G. Francis Farrell. illus Combat Crew  
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illus Approach 20:1-3 Jul '74

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"Keep the sharp end pointed forward"--stability and  
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Stall/spin seventy years later. Robert J. Woodcock  
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(When turbulence thrashes your machine) keep it  
right side up! Capt A. R. Barbin. illus MAC Flyer  
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Stalling

Compressor stalls. illus Interceptor 16:8-14 Jul '74

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Departures: Zero-G no cure-all. Capt A. H. Boquet. illus Approach 20:1-3 Jul '74

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Stall/spin seventy years later. Robert J. Woodcock and Thomas J. Cord. illus AU Rev 25:25-36 May-Jun '74

(When turbulence thrashes your machine) keep it right side up! Capt A. R. Barbin. illus MAC Flyer 21:13-15 Jul '74

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Fly before buy. (Early Navy Aviation) RADM George van Deurs, Ret. illus Aerosp Hist 21:139-143 Fall '74

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Beat those tire problems. Melvin J. Salmon. illus Aerosp Safety 30:18-19 Jun '74

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Aircraft technology vs pavement technology. Maj Robert E. Boyer. illus AF Civil Engr 15:23-26 Feb '74

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The swinging single. (Versatility of the swing-wing plane) Maj John T. Correll. illus Airman 18:10-14 Jun '74

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MajGen Leigh Wade, Ret. illus AF Mag 57:92-97  
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Gallery of USAF weapons: Tankers and transports.  
illus AF Mag 57:118-121 May '74

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Nelson L. Marsh. illus Soldiers 29:20-26 Jun '74

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'Productive, challenging and morale boosting.' (AFR  
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Gene Allen. illus MAC Flyer 21:14-15 Sep '74

AIRPLANES, MILITARY TRANSPORT (JET)

Rationalizing military and commercial air transport  
fleets for optimum productivity. Louis W. Ford.  
illus tab Intl Def Rev 7:65-66 Feb '74

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Gallery of USAF weapons: Tankers and transports.  
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Gallery of USAF weapons: Tankers and transports.  
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Tanker/cargo aircraft: Hybrid for the future? Craig  
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Pre-war bomber composite projects. Michael J.F.  
Bowyer. tab illus Air Pict 36:444-446+ Nov '74

Skyhooks. TSgt Rick Sherry. illus TAC Attack 14:  
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Gallery of USAF weapons: Reconnaissance aircraft.  
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AIRPLANES, RECONNAISSANCE - ContinuedNATO

Ocean surveillance from the sky. Charles Latour.  
illus NATO's Fifteen Nations 19:34-37+ Oct-  
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Gallery of USAF weapons: Reconnaissance aircraft.  
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AIRPLANES, SUBMERSIBLE see Submersible VehiclesAIRPLANES, TANKER

Rationalizing military and commercial air transport  
fleets for optimum productivity. Louis W. Ford.  
illus tab Intl Def Rev 7:65-66 Feb '74

Two to tango. (A good tanker autopilot-off platform  
requires the receiver pilot's help) Capt James L.  
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Are you a tanker type? Capt John H. Zimmerman.  
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Torrejon (AB) tankers--SAC's planes in Spain. G.F.  
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Air affairs--(Jaguar) Felis onca. Air Commodore  
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The HS. 1182 Hawk--first flight this spring. illus tabs  
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The Hawker Siddeley Hawk and the RAF's new train-  
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Hawker Siddeley HS 146--development history of  
Britain's new feederliner. (Design profile, no. 5)  
Maurice Allward. illus tabs Air Pict 36:120-125  
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AIRPLANES, TRANSPORT - ContinuedUnited StatesHistory

Aircraft for the space age: The Guppy series of transports. Roger E. Bilstein. illus Aerosp Hist 21:79-86 Jun '74

Lockheed Hercules--the first 20 years. illus tab Air Pict pt 1, 36:302-305 Aug '74; pt 2, 36:350-353 Sep '74

A queen of the sky (C-74, Globemaster 1). (Back in the late forties, this forerunner of C-124 signaled the beginnings of heavy lift transports) Cecil L. Reynolds. illus MAC Flyer 21:3-4 Oct '74

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Cathay Pacific (Airways) chooses TriStars. J. Philip Geddes. illus tab Interavia 29:1132-1134 Nov '74

The day of the jumbo-freighter dawns. illus tabs Interavia 29:1130-1131 Nov '74

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Who operates business jets? Marc Grangier. illus Interavia 29:1080-1081 Nov '74

Characteristics

Further variations on the DC-10 theme. illus tab Interavia 29:75 Jan '74

A panorama of world business jet production. tab illus Interavia 29:1082-1084 Nov '74

Short SD3-30--wide-bodied local traveller. (Design profile, no. 8) Maurice Allward. tab illus Air Pict 36:426-428 Nov '74

Design

Europe's A300 Airbus. (Design profile, no. 6) Maurice Allward. tab illus (Also cutaway) Air Pict 36:168-176 May '74

Ground-Support Equipment

Centralized 400 Hz systems cut airport operating costs. R.E. Allingham. illus tab Interavia 29:1128-1129 Nov '74

Brazil

VARIG (Viação Aérea Rio Grandense, South America's leading airline) retrenches--and goes wide-bodied. illus tabs Interavia 29:45-47 Jan '74

Europe, Western

The A. 300B Airbus enters service. Robert Salvy. illus tabs Interavia 29:305-308 Apr '74

The A. 300B in the Americas. map illus Interavia 28:1302 Dec '73

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Air France and the Airbus. illus Interavia 29:310-311 Apr '74

Europe's A300 Airbus. (Design profile, no. 6) Maurice Allward. tab illus (Also cutaway) Air Pict 36:168-176 May '74

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The Falcon 10 and Learjet 35/36--battle lines are drawn. illus tabs Interavia 29:130-131 Feb '74

Germany (Federal Republic)

VFW 614--specifically shorthaul. Douglas Chopping. illus tabs Interavia 29:436-438 May '74

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The HS. 146: A four-jet feeder-liner. tabs illus Interavia 29:127-129 Feb '74

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A case for survival, or the defence significance of the V/STOL combat aircraft. A.W. Bedford. illus tabs maps NATO's Fifteen Nations 19:18-22+ Aug-Sep '74

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- Into Cottonwood's path. (USAF Modular Airborne  
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Mexico forest fire) Carol Ostrinsky. illus Airman  
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- Need for broader fire protection seen. AF Times 35:5  
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- Potential explosion or fire hazard at work or home.  
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- Significant Air Force fire incidents. TIG Brief 26:5  
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- Significant fire incidents. TIG Brief 26:10 Jan 18 '74
- Some like it hot! (Fire fighting exercise at Wiesbaden  
AB, Germany) Dan Doherty. illus Airman 18:3-7  
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- Theater fire protection and safety procedures. TIG  
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- USAF fire losses. TIG Brief 26:19 May 24 '74; AF  
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- Use of fire extinguishers in altitude chambers. TIG  
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- A volcano waiting to erupt. (Water activated phospho-  
rus in insulation) LCDR Brian H. Shoemaker. illus  
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- Air Force fire fighting equipment: Second to none!  
Maj Willet R. Stallworth. illus AF Civil Engr 15:  
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- Crash-rescue ... a second chance to live. LtCol Wm  
P. Hurn. illus Combat Crew No. 9:16-19 Sep '74
- Firemen getting newer equipment. illus AF Times  
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- Protect sprinkler systems against freezing. TIG  
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Study and Teaching

Fire (Protection) School (at Chanute AFB, Ill) to of-  
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FIRING RANGES see Bombing and Gunnery RangesFIRST AID

Burns and scalds. TIG Brief 26:17 Nov 22 '74

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Hypoxia. LtCol Harold Andersen. illus TAC Attack pt 1, 14:9 Sep '74; pt 2, Hypoxia, again! 14:29 Oct '74; pt 3, 14:26-27 Nov '74; pt 4, Still more on hypoxia. 14:8-9 Dec '74

Rendering first aid. (Soviet medical officer's advice) Col A. Voropai. illus Soviet Mil Rev No. 8:40-41 Aug '74

Survival medicine, or what to do if the doctor isn't coming. Capt T. K. Bryson and Maj H. J. Arnold III. illus Interceptor 16:18-21 Apr '74

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Oil, fish and frontier philosophy. (Interview with William A. Egan, Gov of Alaska) John Wilpers. illus Govt Exec 6:30-32 Feb '74

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The present and future of the West Coast fishing industries. Richard H. Philips. illus US Nav Inst Proc 100:190-203 May '74

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What? Change the flag? Editorial. AF Times 35:12 Sep 11 '74

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"Long has it waved on high" (Coast Guard ensign). ENS B. W. Norris and T. R. Strobebridge. illus US Nav Inst Proc 100:40-43 Sep '74

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The outlook for international trade. Peter M. Flanigan. Persp in Def Mgt, pp 35-41, Winter '73-'74

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Flashblindness following double flash exposures. Gloria T. Chisum and Phyllis E. Morway. illus tabs Aerosp Med 45:1013-1016 Sep '74

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Sixth Fleet "would probably be defeated," Zumwalt says. Armed Forces J Intl 111:17 Jun '74

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Are Skylab and the space shuttle worth the investment? James C. Fletcher. por Govt Exec 6:38-39+ Jan '74

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The aerial observation pilot program. Capt George C. Coburn. illus Fld Arty J 42:18-19 May-Jun '74

11th Air Assault (Aviation Gp) and the future. LtGen G. P. Seneff, Jr. illus USA Avn Dig 20:8-11+ Jun '74

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How low can you go? Capt A. R. Barbin. map illus MAC Flyer 21:12-15 Mar '74

Human factors in nap-of-the-earth flying. LtCol Nicholas E. Barreca. tab USA Avn Dig pt 1, Perception of the external environment. 20:16-19+ Jun '74; pt 2, Protection against the external environment. 20:15-17 Jul '74; pt 3, Flying fatigue. 20:14-16 Aug '74

NOE is for LOHing. (Mission of Light Observation Helicopters) CW3 Michael S. Lopez and John Marusich. illus USA Avn Dig 20:6-8 Apr '74

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NOE (Nap-Of-the-Earth) at night. (Interview with members of 155th Aviation Company "Owl Team") Orval Right. illus USA Avn Dig 20:2+ Mar '74

Surveillance at its best. Capt Nelson G. Peregoy. illus USA Avn Dig 20:20-23 Aug '74

These are the MASSTER (Modern Army Selected Systems Test, Evaluation and Review) years. SP4 Clem Hughes. illus USA Avn Dig 20:8-13 Aug '74

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Ancient history and NOE. Maj William K. McCurry. tab illus USA Avn Dig 20:39-45 Jun '74

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Departures: Zero-G no cure-all. Capt A. H. Boquet. illus Approach 20:1-3 Jul '74

"Keep the sharp end pointed forward"--stability and control from a commander's viewpoint. MajGen Gordon F. Blood. illus USAF Ftr Wpns Rev, pp 1-3, Summer '74

Pilotless common flight systems. tabs Govt Exec 6:22-23 Jul '74

(When turbulence thrashes your machine) keep it right side up! Capt A. R. Barbin. illus MAC Flyer 21:13-15 Jul '74

FLIGHT DIRECTOR SYSTEMS

Flight director fixation. LtCol Robert J. Brun. illus Aerosp Safety 30:6-7 Oct '74

FLIGHT INFORMATION

Here are entered articles on services provided for the purpose of giving advice and information useful for the safe and efficient conduct of flights.

See also related subjects, e.g.,

Flight Path  
Weather Forecasting

Air traffic control: The civil side. Air Commodore G. C. Lamb. Royal Air Forces Qtr 14:41-47 Spring '74

Ask your friendly weatherman. Capt Philip Hunter. illus Combat Crew 33:12-15 Nov '73

General flight rules. TIG Brief 26:13 Sep 27 '74

Same time, same place, same flight level. (Traffic control in some areas of the world is not always what you hope for) MAC Flyer 21:14-15 Aug '74

FLIGHT INSTRUMENTS see Aeronautical InstrumentsFLIGHT NURSES

13 (Reserve flight) nurses test space shuttle (waste collection) system(s). AF Times 34:6 Jan 16 '74

Top flight surgeon (Maj Joseph A. Harasimowicz) and nurse (Capt LeDonn B. Cramer) chosen. AF Times 34:24 May 22 '74

FLIGHT PATH

"Minimums--runway in sight"--low ceilings, lousy vis, and broad course tolerances make the non-precision approach a sporty event. illus tabs MAC Flyer 21:6-8 Sep '74

"On glidepath, on course." illus Approach 19:8-11 Apr '74

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Poor man's VASI (Visual Approach Slope Indicator). Maj Roland D. Guidry. illus USAF TAWC Rev 5: 20-22 Winter '74

Standard Terminal Arrival Routes (STARs). J. W. Hafley. illus maps TAC Attack 13:4-6 May '73

FLIGHT PAY

AFJ erred on details of "flight pay fiasco." tab Armed Forces J Intl 111:12 Feb '74

AFSA (Air Force Sergeants Association) calls for flight pay overhaul. AF Times 35:43 Sep 18 '74

Aid for flying airmen on the way. AF Times 34:4 Apr 10 '74

Assignment to designated flying positions (O-6 and above). TIG Brief 26:5 Mar 15 '74

Aviation Career (Incentive) Act (effective 1 June 1974, restructures flight pay system for officer aviators). tab Infantry 64:53-54 Sep-Oct '74

Banking and grace for nonrated fliers. TIG Brief 26:14 Nov 8 '74

Colonel, general flight-pay rolls slump. AF Times 34:38 Feb 20 '74

DOD asks lower 'gate.' Lee Ewing. AF Times 34:1+ Feb 6 '74

Defense seeking way to figure (aviation) cadet time. AF Times 35:4 Oct 2 '74

Details given on flight pay (and other allowances). AF Times 34:8 Jul 10 '74

Flight pay. Capt Don Carson. AF Mag 57:79-80 Feb '74

Flight pay fiasco No. 2: Numbers didn't add up. Armed Forces J Intl 111:18-19 Jan '74

Flight-pay gates require new data. AF Times 35:25 Aug 14 '74

Flight pay passes: House bill accepted. Lee Ewing. AF Times 34:1+ Jun 5 '74

Flight pay passes: 20,000 due \$\$\$. Bruce Callander. tab AF Times 34:1+ Jun 5 '74

Flight pay plan--gain or loss? tabs AF Times 34:23 Mar 13 '74

Fly pay ready for Senate. AF Times 34:1+ May 8 '74

Flight-pay revision awaits 'gate' decision. Lee Ewing. AF Times 34:8 Jan 30 '74

Flight pay rules deal loss to non-rated crews. AF Times 35:1+ Sep 11 '74

Fly-pay bill moves--new gate formula. AF Times 34:1+ Feb 20 '74

'Gate' flap holds up flight pay bill--new hearings stall action. AF Times 34:24 Jan 9 '74

The gates: How current fliers fare (under the new flight pay bill). AF Times 34:13 Mar 20 '74

Grounding notice for EM working. AF Times 35:3 Nov 20 '74

House OKs flight pay: Enlisted crews get break. AF Times 34:1+ Mar 6 '74

House OKs flight pay: Gates for officers. Lee Ewing. AF Times 34:1+ Mar 6 '74

How do you stand with the 'gate?' TIG Brief 26:11 Sep 27 '74

FLIGHT PAY - Continued

- Making the gates (and) getting the ticket. illus AF Times 34:4 Apr 10 '74
- New change pushed to alert EM fliers to grounding notice. AF Times 35:8 Aug 28 '74
- New flight bill spells out how save-pay will apply. AF Times 34:2 Feb 27 '74
- New flight pay ground rules. Armed Forces J Intl 111:12 Feb '74
- New flight pay: Some gain, some lose. AF Times 34:20 Jun 5 '74
- New fly pay rules help most fliers, hurt a few. Bruce Callander. AF Times 35:1+ Sep 18 '74
- 120-day notice set in grounding of EM. AF Times 35:1+ Dec 4 '74
- Pay gate flap shifts to Senate. Bruce Callander. AF Times 34:1+ Apr 10 '74
- Senate unit clears flight pay bill. AF Times 34:4 May 22 '74
- 3 (members of the House Armed Services Committee) attack fly pay bill. AF Times 34:20 Mar 6 '74
- You'll get a chance to refigure aviation service date credit. Bruce Callander. AF Times 35:1+ Oct 23 '74
- Young rateds face loss of flight time--move aimed at those getting out; most still would draw pay. George Foster. AF Times 35:1+ Nov 27 '74

FLIGHT PLAN

- Cat(egory) D or low-time tiger--a look at the sometimes frightening world of the hundred-hour-a-year (flying time) man. illus TAC Attack 14:8-11 Apr '74
- The changing environment. illus Aerosp Safety 30: 8-9 Mar '74
- A different kind of cargo. (Drones) Maj Robert E. Reiter, Jr and Robert J. Bernier. illus Navigator 21:22-23 Jun '74
- Have a safe flight, nav! Maj Michael M. Greenspan. illus Aerosp Safety 30:16-17 Jul '74
- Plan for winter. illus Approach 20:1-4 Dec '74

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- Flight director fixation. LtCol Robert J. Brun. illus Aerosp Safety 30:6-7 Oct '74

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Here are entered articles on the logs and reports of a flight. For articles on record flying time for a given distance see Aviation Records.

- Flight Management Data System (FMDS). TIG Brief 26:7-8 Sep 13 '74
- The IFRF (Individual Flight Record File) and you. Sgt1C Howard W. Brewer. USA Avn Dig 20:34-35 Jun '74

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- Air-to-air on the ground. illus Interceptor 16:5-9 Aug '74
- Alcohol-induced performance decrements assessed by two Link trainer tasks using experienced pilots. P.H. Henry and others. illus tabs Aerosp Med 45: 1180-1189 Oct '74

FLIGHT SIMULATORS - Continued

- Assessment of performance in a Link GAT-1 flight simulator at three alcohol dose levels. P.H. Henry and others. illus tabs Aerosp Med 45:33-44 Jan '74
- Care & training of pilots via simulators. Bruce Callander. AF Times 34:13 Jul 3 '74
- Digital computerized cockpit trainer. LT Dan Johnson. illus Approach 20:20-21 Sep '74
- Flight simulator logistic support. TIG Brief 26:8 Oct 25 '74
- ISD (Instructional Systems Development)--get with it. Capt W.A.Scott. Interceptor 16:21-22 Oct '74
- It's the real thing ... almost. (Helicopter simulators) Maj William A. deVries. illus Aerosp Safety 30: 10-11 Mar '74
- (LtGen William V.) McBride urges a slower pace on simulation (in pilot training). Len Famiglietti. AF Times 35:3 Sep 11 '74
- List simulator time, GAO says. AF Times 34:2 Jul 31 '74
- Navigator trainer arrives at Mather (AFB, Calif). AF Times 34:26 Feb 27 '74
- A new twist. (Instrument training program of Ohio ARNG) Capt John S. Martin. illus USA Avn Dig 20:33-35 Apr '74
- A penny saved. (Besides saving money, flight simulators have become a more significant part of our training program during the fuel/energy crisis) CW2 Robert Browning. illus USA Avn Dig 20:8-11 Feb '74
- Proposed spatial orientation flight training concept. Patrick J. Dowd. illus tabs Aerosp Med 45:758-765 Jul '74
- A quiet revolution, or there's a simulator in your future. illus Approach 19:1-4 Mar '74
- Research flight simulator. (Advanced Simulation in Undergraduate Pilot Training (ASUPT)) illus Mil Rev 54:93 Sep '74
- Simulation: A threat to tactical air power. Col Harry A. Goodall. illus AU Rev 26:59-63 Nov-Dec '74
- Simulation--the new approach. MajGen Oliver W. Lewis. illus AU Rev 25:41-55 Mar-Apr '74
- Simulation ... you've come a long way, baby. Capt Jerome T. Bellen. illus Aerosp Safety 30:14-19 Oct '74
- \$250 million being put into simulators. AF Times 34:26 Jul 10 '74
- Use of flight simulators. TIG Brief 26:20 Dec 6 '74
- Williams (AFB, Ariz) sets up UPT (Undergraduate Pilot Training) simulator. AF Times 34:30 Mar 27 '74

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- (Brig)Gen (Charles A.) Veatch heads Society of USAF Flight Surgeons. illus Aerosp Med 45:687 Jun '74
- Flight surgeon's involvement and contribution to flight safety. TIG Brief 26:11 Mar 15 '74
- Revised flying requirements for flight surgeons. TIG Brief 26:5 May 10 '74
- Top flight surgeon (Maj Joseph A. Harasimowicz) and nurse (Capt LeDonn B. Cramer) chosen. AF Times 34:24 May 22 '74

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Pilots--Education and Training

Armed Forces--Russia

Learning to fly (at Kharkov Higher Air School). LtCol G. Rodin. illus Soviet Mil Rev No. 5:15-17 May '74

Army--U.S.

Initial flight training. Maj Robert E. Lanzotti, illus Armor 83:48-49 Mar-Apr '74

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A penny saved. (Besides saving money, flight simulators have become a more significant part of our training program during the fuel/energy crisis) CW2 Robert Browning. illus USA Avn Dig 20:8-11 Feb '74

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Air pioneer (BrigGen Leigh Wade, Ret) recalls world flight (1924). Donna Peterson. illus AF Times 34:29+ Jul 10 '74

Blackbird SR-71. LtCol Earle M. Boone. illus Aerosp Safety 30:1-3 Nov '74

The last B-52 mission from Guam. Capt Victor B. Putz. illus tab AF Mag 57:49-54 Jun '74

Seattle has crashed in Alaska. (Another episode from the first round-the-world flight) Col Alva Harvey, Ret. illus AF Mag 57:104-107 Sep '74

That first round-the-world flight (by U.S. Air Service planes in 1924, a Gen Billy Mitchell project). Joe Christy. illus map AF Mag 57:52-59 Mar '74

Two fly Atlantic in under 2 hours (in 9th Strategic Reconnaissance SR-71). illus AF Times 35:24 Sep 18 '74

The world flight: An all-American venture. (Reminiscences of the only surviving pilot) MajGen Leigh Wade, Ret. illus AF Mag 57:60-61 Mar '74

Yankee ingenuity in England. (Dominated by U.S. equipment and technology, Farnborough International showed that American R&D investments are paying off; the SR-71 speed record capped a display) Claude Witze. illus AF Mag 57:29-32 Oct '74

FLOODS see Disasters

FLORIDAHistory

The Indian Key massacre. Dewey A. Dye, Jr. map illus US Nav Inst Proc 100:74-78 Nov '74

FLUTTER see Vibration

FLYING BOATS see Seaplanes

FLYING CLUBS see Aero Clubs

FLYING SAFETYSee also

Airplanes--Safety Measures  
Airplanes, Military--Safety Measures  
Helicopters, Military--Safety Measures  
Mountain Flying

A(erial) C(ombat) M(aneuvers) safety philosophy. illus Approach 20:6-8 Sep '74

Airborne emergency assistance. illus Aerosp Safety 30:14-15 Dec '74

FLYING SAFETY - Continued

Ask your friendly weatherman. Capt Philip Hunter. illus Combat Crew 33:12-15 Nov '73

Bases get guidelines on bird control. AF Times 35:43 Sep 18 '74

Birdwatchers beware. illus TAC Attack 14:8-9 Oct '74

CYA (Clearing one's Yard-Arm)--games people play. (Reprinted from Flight Comment, Sep-Oct 1973) illus TAC Attack 14:4-7 Jan '74; Aerosp Safety 30:6-8 Jan '74; USA Avn Dig 20:30-33 May '74

The (chief) judge (for William Tell 74) tells us ... safety was paramount. Interview. BrigGen Elwood A. Kees, Jr. illus Interceptor 16:8-9 Dec '74

Contour searching for non-rescue crews. Maj Kenneth R. Lafon. illus TAC Attack 14:4-8 Jun '74

Departures: Zero-G no cure-all. Capt A. H. Boquet. illus Approach 20:1-3 Jul '74

Design deficiency. Capt David E. Hanson. illus Aerosp Safety 30:20-21 May '74

"Do unto others ... "--some common sense words on formation flying. Maj Joe Tillman. illus TAC Attack 14:4-7 Jul '74

Doan fly wid a code. (Virus colds) illus Approach 19:20-21 Jan '74

Electroencephalogram and aerospace safety. William H. King and E. Liske. Aerosp Med 45:90-91 Jan '74

Emphasis on discipline. Capt A. R. Barbin. MAC Flyer 21:14-15 Jan '74; Approach 19:16-17 Apr '74

Flight crew information file and flight manuals control procedures. TIG Brief 26:21 Jun 21 '74

Flight surgeon's involvement and contribution to flight safety. TIG Brief 26:11 Mar 15 '74

Fowl skies. illus tabs MAC Flyer 21:16-17 Oct '74

General flight rules. TIG Brief 26:13 Sep 27 '74

Have a safe flight, nav! Maj Michael M. Greenspan. illus Aerosp Safety 30:16-17 Jul '74

Helicopter escape. LCDR Brian H. Shoemaker. Approach 20:16-18 Sep '74

Hemotigers superfluous. (Too much tiger blood) LCDR D. C. Wynne. illus Approach 19:25 Apr '74

In harm's way: Navy safety programs--Navy non-combat deaths during Vietnam War period outnumber combat deaths six to one. CAPT Willard Y. Howell, Ret. illus Sea Power 17:29-34 Feb '74

In which an engine is restarted (or was it?). LT Anthony R. Thompson. Approach 19:7 Apr '74

Knowledge vs desire. (Flight safety education) V. E. Schultze, Jr. (Reprinted from Approach, Sep 1972) illus TAC Attack 14:26-27 Feb '74; MAC Flyer 21:12-13 Feb '74

Let's up the odds for a safe flight. Steve Guilfoss and Dick Bess. illus Aerosp Safety 30:26-27 Feb '74

The missing link. (Failure to report an incident) Maj Jack N. Dole. illus MAC Flyer 21:22-23 Nov '74

The mystery of tail rotor droop. Capt A. R. Barbin. (Adapted from MAC Flyer, Nov 1973) illus tab Approach 19:10-12 Mar '74; Aerosp Safety 30:14-16 May '74

NADC (Naval Air Development Center) works for flight safety. illus Approach 20:26-27 Nov '74

FLYING SAFETY - Continued

NASA's general aviation technology research. illus  
Interavia 29:658-659 Jul '74

178 seconds! (How long can a pilot who does not have  
instrument training expect to live after he flies  
into bad weather and loses visual contact with the  
ground?) K. E. Chellis. illus USA Avn Dig 20:32-33  
Feb '74; Interceptor 16:10-11 Jun '74

Operational decisions. LCDR R. M. Nutwell. illus  
Approach 19:12-15 Jun '74

Our own worst enemy. (Midair collisions) Maj Ed-  
ward G. Francis. illus tabs Aerosp Safety 30:6-7  
Mar '74

(Pilot) experience: Older but not bolder. LtCol John  
W. Ray. illus MAC Flyer 21:9-11 Dec '74

Procedure cards. Who needs 'em? LCDR John J.  
Zerr. illus Approach 20:24-25 Nov '74

The professional perspective ... the chaplain's  
point of view. LtCol Mansfield E. Hunt. illus  
Aerosp Safety 30:22-23 May '74

The project officer--your friend at Norton (AFB,  
Calif). Capt Randall L. Bertrand. Aerosp Safety 30:  
20-22 Jul '74

Reflections (of a Wing Flight Safety Officer). Maj  
Jack Drummond. illus TAC Attack 14:20-21 Feb '74

Safety in numbers. (Standardization and the twin-  
engine fixed wing aircraft accident rate) Ted  
Kontos. illus USA Avn Dig 20:30-32 Apr '74

Safety '73. BrigGen Charles E. Yeager. Aerosp Safe-  
ty 30:2-3+ Apr '74

Some aspects of flight safety. Kenneth W. Clark. In-  
teravia 29:655-657 Jul '74

Strange noises. (Do helicopters talk?) Maj Russ  
Cayler. illus MAC Flyer 21:16-17 Aug '74

Strobe light situation report. CDR H. E. Lotze, Jr.  
illus tab Approach 19:6-9 Jan '74

Supervisor Of Flying (SOF). Maj George D. Burgess.  
illus MAC Flyer 21:3-5 Jan '74

(Thule weather) from bad to worse. Maj D. A. David-  
son. (Adapted from Flight Comment, Jul-Aug '73)  
illus Approach 19:6-7 Feb '74

Thunderstorms in the area! illus MAC Flyer 21:  
10-13 Apr '74

25 years accident-free flying. (89th Military Airlift  
Wg, Andrews AFB, Md) MAC Flyer 21:23 Jan '74

20 years behind the altimeter. Col Jerry Schwene.  
illus map Aerosp Safety 30:19-21 Mar '74

Two objects can't occupy the same point in space at  
the same time. Anchar F. Zeller. illus tabs  
Aerosp Safety 30:1+ Mar '74

Unidentified extra. (A refueling hitch in the South  
Pacific, early 50s) Maj William F. Schroder. tab  
illus MAC Flyer 21:5-7 Oct '74

What it's all about. (Harrier (AV-8A) flight safety)  
LtCol J. Orr. illus Approach 19:18-20 Mar '74

Wishing's not enough. (A flying safety career) Maj  
Dan A. Kaelin. illus Interceptor 16:12-13 May '74

FLYING SAUCERS see Unidentified Flying Objects

FLYING STATUS

Aid for flying airmen on the way. AF Times 34:4  
Apr 10 '74

Assignment to designated flying positions (O-6 and  
above). TIG Brief 26:5 Mar 15 '74

Aviation Career (Incentive) Act (effective 1 June 1974,  
restructures flight pay system for officer avia-  
tors). tab Infantry 64:53-54 Sep-Oct '74

EM due notice before grounding. AF Times 34:21  
Jun 12 '74

120-day notice set in grounding of EM. AF Times  
35:1+ Dec 4 '74

You'll get a chance to refigure aviation service date  
credit. Bruce Callander. AF Times 35:1+  
Oct 23 '74

Young ratings face loss of flight time--move aimed  
at those getting out; most still would draw pay.  
George Foster. AF Times 35:1+ Nov 27 '74

FLYING TIME

Here are entered articles on time spent in flying  
by an individual pilot to maintain his proficiency  
rating. For articles on record flying time for a  
given distance, see Aviation Records.

Banking and grace for nonrated fliers. TIG Brief  
26:14 Nov 8 '74

Cat(egory) D or low-time tiger--a look at the some-  
times frightening world of the hundred-hour-a-  
year (flying time) man. illus TAC Attack 14:8-11  
Apr '74

Cuts in flying time watched for safety. AF Times 34:27  
Mar 13 '74

Evaluation of reduced flying on USAF flight safety.  
TIG Brief 26:18 Mar 1 '74

Experience for sale. (Can special job preparation  
completely compensate for minimum flying ex-  
perience?) Capt Robert B. Andrews. illus Combat  
Crew No. 9:13-15 Sep '74

Flight management. TIG Brief 26:2 May 10 '74

Fuel crisis cut deeply. Hill told (by BrigGen John C.  
Bartholf): Flying time trimmed a third. AF Times  
34:6 May 29 '74

List simulator time, GAO says. AF Times 34:2  
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New change pushed to alert EM fliers to grounding  
notice. AF Times 35:8 Aug 28 '74

Revised flying requirements for flight surgeons. TIG  
Brief 26:5 May 10 '74

FOG AND FOG DISPERSAL

'Like gang busters.' (Fog dispersing solution devel-  
oped by the Navy) MSgt Gerald Smith. illus Air  
Reservist 26:4-5 Aug-Sep '74

Spray away. (Using C-123's to spread liquid fertilizer  
on clouds in fog dispersal experiment) MSgt Jerry  
Smith. illus Airman 18:39-41 Oct '74

FOODSee also

Nutrition  
Rations  
Space Feeding

Better cut of beef coming. AF Times 34:3 Feb 6 '74  
Shelf life of foods. Review 54:61-64 Sep-Oct '74

FOOD - ContinuedCosts

Food costs set 1974 inflation pace--overall rate up nine percent. Dick Ritter. AF Times 34:27 Jan 30 '74

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